BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

BILL OF QUANTITIES (BOQ)

Name of Work: Improvements to drains of kariyanna layout main road in ward no.07 Byataranapura.

Sl. No.	Quantity.	Description	Unit	Issued to Technical Manager,KRIDL	
				In Figures	In Words
1	860.42	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. (Pg No.143.Item No.19.1)	Cum	137.80	Rupees One Hundred Thirty Seven and Eighty Paise Only
2	115.20	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller)(P-147., It No: 19.60)	Cum	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only
3	232.01	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.13, It.4.3)**	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
4	190.54	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 14, Item NO. 4.11)	Cum	5998.54	Rupees Five Thousand Nine Hundred Ninety Eight and Fifty Four Paise Only
5	10.48	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)	Tonne	75223.96	Rupees Seventy Five Thousand Two Hundred Twenty Three and Ninety Six Paise Only
6	1379.40	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)	Sqm	483.36	Rupees Four Hundred Eighty Three and Thirty Six Paise Only
7	732.42	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
8	43.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.	nos	467.46	Rupees Four Hundred Sixty Seven and Forty Six Paise Only
9	19.35	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications	Sqm	39.22	Rupees Thirty Nine and Twenty Two Paise Only

EXECUTIVE ENGINEER-1

	ved Qty.	Description	Unit	Issued to Technical Manager , KRIDL In Figures	In Words
8 10	76.80 80.00	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only
19	768.00 800.00	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift	Sqm	72.08	Rupees Seventy Two and Eight Paise Only
12	12.00	KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification	Mtr	5976.28	Rupees Five Thousand Nine Hundred Seventy Six and Twenty Eight Paise Only
13	1.35	Providing 100mm and down size nominal size.	Cum	987.62	Rupees Nine Hundred Eighty Seven and Sixty Two Paise Only
14	0.45	Providing 40mm and down size nominal size	Cum	1091.43	Rupees One Thousand Ninety One and Forty Three Paise Only
15	0.45	Providing 20mm and down size nominal size	Cum	1091.43	Rupees One Thousand Ninety One and Forty Three Paise Only
16	0.34	Providing Fine aggrgate 2.36mm nominal size	Cum	1054.29	Rupees One Thousand Fifty Four and Twenty Nine Paise Only
17	8.00	Providing and fixing MS Grating 260x260 mm	Nos	89.84	Rupees Eighty Nine and Eighty Four Paise Only
10	860.42 999.17	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1	Cum	94.34	Rupees Ninety Four and Thirty Four Paise Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

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I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

CONTRACTOR